

# Unit 5 Lesson 2B / Homework

1. Given the information, write an equation and graph one full period.

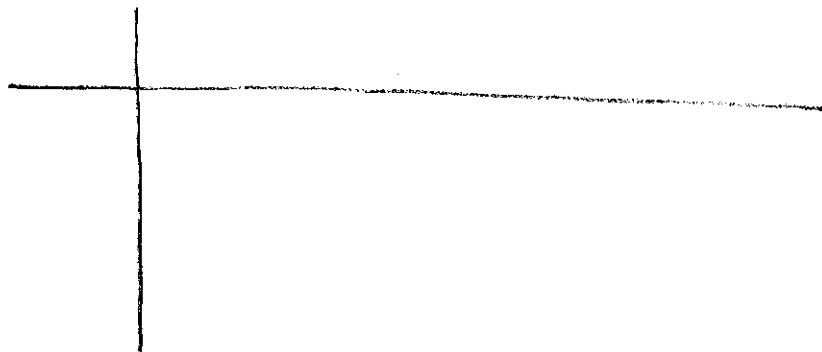
A. Sine

Amplitude 2

Period:  $\frac{\pi}{3}$

Vertical Shift: -4

y = \_\_\_\_\_



B. Cosine

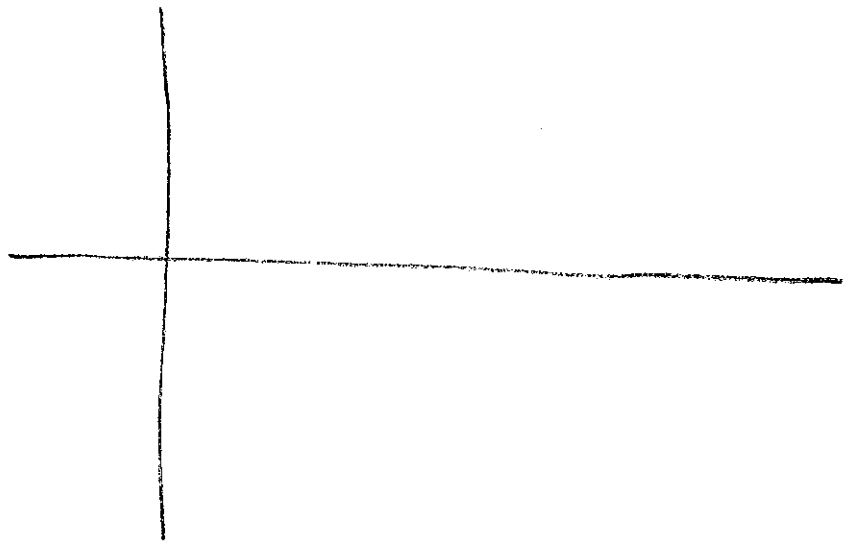
Amplitude: 1

Period:  $90^\circ$

Vertical shift: 3

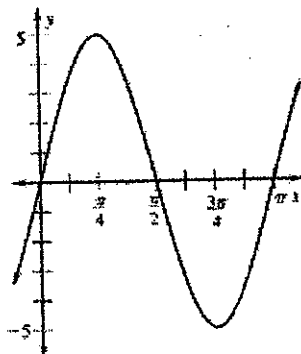
Reflected x-axis

y = \_\_\_\_\_



2. Given each graph, determine Key information and write equation.

A.



Amplitude: \_\_\_\_\_

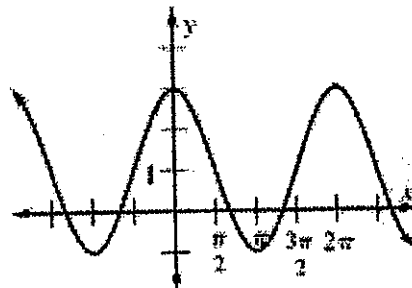
Period: \_\_\_\_\_

Phase Shift: None

Vertical Shift: \_\_\_\_\_

Function: \_\_\_\_\_

B.



Amplitude: \_\_\_\_\_

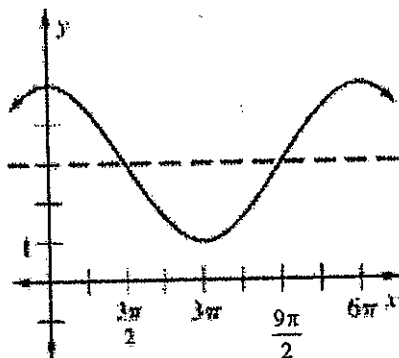
Period: \_\_\_\_\_

Phase Shift: None

Vertical Shift: \_\_\_\_\_

Function: \_\_\_\_\_

C.



Amplitude: \_\_\_\_\_

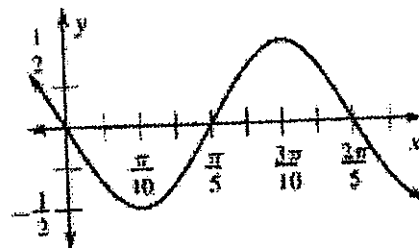
Period: \_\_\_\_\_

Phase Shift: None

Vertical Shift: \_\_\_\_\_

Function: \_\_\_\_\_

D.



Amplitude: \_\_\_\_\_

Period: \_\_\_\_\_

Phase Shift: None

Vertical Shift: \_\_\_\_\_

Function: \_\_\_\_\_